DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P-874
Revision 17
McCauley
1A200
1B200
1C200
1D200
May 3, 2002

TYPE CERTIFICATE DATA SHEET NO. P-874

Propellers of models described herein conforming with this data sheet (which is part of Type Certificate No. 874) and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certificated aircraft in accordance with the pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder: McCauley Propeller Systems
Cessna Aircraft Company
3535 McCauley Drive
Vandalia, Ohio 45377

Type: Fixed pitch metal
Material: Aluminum Alloy
No. of Blades: Two

	Takeoff				Hub Drilling			Hub Dimensions			
Model	Max. Cont.			Standard	No.	Dia.	Bolt	Dia. Pilot	Hub	Dim.	Wt. (lb.)
(See Note 2)	HP	RPM	Dia.	Pitch	Holes	Holes	Circle	Hole	Dia.	Thick.	(Max. Dia.)
1A200/FM	225	2650	90"-78"	100"-40"	8	29/64"	6"	2-1/4"	7"	3-9/16"	43
1B200/HM	225	2650	90"-78"	100"-40"	8	29/64"	6"	3-1/2"	7"	3-9/16"	43
1C200/FC	225	2650	90"-78"	100"-40"	6	1/2"	4"	2-1/4"	7"	3-9/16"	43
1A200/FA	300	2700	90"-78"	100"-40"	6	33/64"	4.75"	2-1/4"	6"	3-9/16"	42
1A200/FAM	180	2700	84"-78"	100"-40"	6	25/64"	4.75"	2-1/4"	6"	3-9/16"	42
1D200/OM	185	2500	90"-84"	64"-34"	6	33/64"	4"	2-1/4"	5-1/4"	3-7/16"	35
1A200/DFA	300	2700	90"-78"	100"-40"	6	33/64"	4.75"	2-1/4"	6"	4-13/16"	45*
1A200/AOX	230	2600	90"-78"	100"-40"	6	33/64"	4"	2-1/4"	5-1/4"	3-7/16"	40
1A200/HFA	290	2700	90"-78"	100"-40"	6	33/64"	4.75"	2-1/4"	6"	5-9/16"	46*
1A200/WFA	290	2700	90"-74"	100"-40"	6	33/64"	4.75"	2-1/4"	6"	3-9/16"	48*

* Weight includes integral doweled spacer

Certification Basis:

Models 1A200/FM, 1A200/FA, 1B200/HM, 1C200/FC, and 1D200/OM:
Civil air regulations Part 14 effective November 1, 1949, with Amendment 14-1 thereto.

Model 1A200/DFA:
Civil Air Regulations Part 14 effective December 15, 1956, with Amendment 14-1 thereto.

Model 1A200/AOX:
14 Code of Federal Regulations (CFR) Part 35 with Amendment 35-1 thereto.
Model 1A200/HFA:
14 (CFR) Part 35 with Amendments 35-1 and 35-2 thereto.
Model 1A200/WFA:
14 (CFR) Part 35 with Amendments 35-1 thru 35-6 thereto.
Type Certificate No. 874 issued September 8, 1950. Model 1A200/DFA has been approved July16,1964, under delegation option provisions of the regulations of the Administrator Part 410. the following models have been approved under delegation option provisions of 14 CFR Part 21, Subpart J:
1A200/AOX approved November 2, 1965
1A200/HFA approved April 1, 1974
1A200/WFA approved April 27, 1998
Date of Application for Type Certificate July 27, 1950

Production Basis: Production Certificate No. 3

NOTE 1. Installation. Propeller model 1A200/FM is for use on SAE #4 flanged propeller shaft and must be installed in accordance with McCauley C-1175.

Propeller model 1B200/HM is eligible with McCauley hub P/N C-1225 on SAE #20 splined propeller shaft. When hub C-1225 is used, propeller is to be installed in accordance with McCauley Drawing C-1174.

Propeller model 1C200/FC is for use on the special Continental Motors Corp. propeller flange and must be installed in accordance with McCauley Drawing C-1530.

Propeller model 1A200/FA is for use on SAE #2 modified flange and must be installed in accordance with McCauley Drawing C-2337.

Propeller model 1A200/FAM is for use on SAE #2 modified flange and must be installed in accordance with McCauley Drawing C-2720.

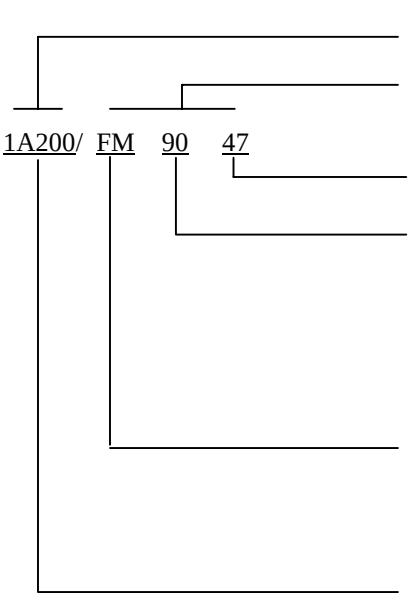
Propeller models 1A200/ACM and 1D200/OM are for use on the special Continental Motors Corp. propeller flange and must be installed in accordance with McCauley Drawing C-2359.

Propeller model 1A200/DFA is for use on SAE #2 modified flange with McCauley P/N C-3435 spacer and must be installed in accordance with McCauley Drawing C-3433.

Propeller model 1A200/HFA is for use on SAE #2 modified flange with McCauley P/N B-4585 spacer and must be installed in accordance with McCauley Drawing C-4586.

Propeller model 1A200/WFA is for use on SAE #2 modified flange with McCauley P/N B-3637 spacer and must be installed in accordance with McCauley Drawing C-7565.

NOTE 2. Propeller Model Designation.



FM	Denotes SAE No. 4 Flange
FC	Denotes Special Flange 4" B.C.
HM	Denotes Special Flange 6" B.C.
FA	Denotes SAE No. 2 Flange Modified (6-1/2" bolts)
DFA	Denotes SAE No. 2 Flange Modified (6-1/2" bolts) and B-3434 spacer
FAM	Denotes SAE No. 2 Flange Modified (6-3/8" bolts)
OM	Denotes Special Flange 4" B.C.; square tips
AOM	Denotes Special Flange 4" B.C.; square tips
HFA	Denotes SAE No. 2 Flange Modified (6-1/2" bolts) and B-4585 spacer
WFA	Denotes SAE No. 2 Flange Modified (6-1/2" bolts) and B-3637 spacer

NOTES 3, 4, 5, 6, 7, and 8. Not applicable.

NOTE 9.

Table of Propeller-Engine Combinations
Approved Vibrationwise for Use on Normal Category Single-Engine Tractor Aircraft

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown below. No reduction below the minimum diameter listed is permissible since this figure includes the diameter reduction allowable for repair purposes.

Propeller Model	Engine Model	Max. Dia. (Inches)	Min. Dia. (Inches)	Placards
1A200/FM	Continental O-470-11	90	80	None
1B200/HM	Continental E-225	90	86	None
1C200/FC	Continental O-470-A	90	86	None
1C200/FC	Continental O-470-E	90	86	None
1C200/FC	Continental O-470-J	90	86	None
1A200/FM	Continental E-185 with SAE No. 4 flange and dampered shaft	90	80	None
1A200/FA or 1A200/DFA	Lycoming O-360 series (Up to 180 hp and 2700 rpm)	82	78	None
1A200/HFA	Lycoming O-360 series (Up to 180 hp and 2700 rpm)	80	79	"Avoid continuous operation while descending between 1700 to 2100 rpm"

Propeller Model	Engine Model	Max. Dia. (Inches)	Min. Dia. (Inches)	Placards
1A200/FA or 1A200/DFA	Lycoming O-540 & IO-540 with one-5th and one-6th order crankshaft damper configuration (Up to 260 hp and 2700 rpm)	90	80	None
1A200/FA or 1A200/DFA	Lycoming IO-540 series (UP to 300 hp and 2575 rpm with one-5th and one-6th order crankshaft damper configuration)	90	86	None
1A200/FAM	Lycoming O-320 series (Up to 160 hp and 2700 rpm)	82	78	None
1D200/OM	Continental GO-300 series (175 hp and 2400 rpm)	90	86	None
1A200/AOM	Continental O-470 series (Up to 230 hp and 2600 rpm with one-5th and one-6th order crankshaft damper configuration)	90	86	None

NOTE 10. The word “eligible” as used herein does not signify approval. For approval, compliance with the applicable aircraft airworthiness requirements is necessary.

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